

COMBINED DECLARATION AND POWER OF ATTORNEY
AUTHORIZATION OF AGENT

ATTORNEY DOCKET NO.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention

entitled **A METHOD OF DETERMINATION OF TRUE NON LINEARITY OF SCAN ALONG A SELECTED DIRECTION X OR Y IN SCANNING MICROSCOPE**

the specification of which

(Check one) ☒ is attached hereto.

☐ was filed on _____ as

Application Serial No. _____ and

was amended on _____
(If applicable)

was amended through _____
(If applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above

I acknowledge the duty of disclosure all information which is known to me to be material to the patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty of the disclose material information as defined in Title

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

[illegible]

The undersigned hereby authorizes Ilya Zborovsky to accept and follow instructions from

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the patent and Trademark Office connected therewith:

AUTHORIZATION OF AGENT

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FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE	DATE
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11/18/00

Applicant or Patentee: NIKITIN, Arkady

Serial or Patent No.:

Filed or Issued:

For:

A METHOD OF DETERMINATION OF TRUE NON LINEARITY OF SCAN ALONG A
SELECTED DIRECTION X OR Y IN SCANNING MICROSCOPE

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 cfr 1.9 (f) AND 1.27 (b) - INDEPENDENT INVENTOR

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled

A METHOD OF DETERMINATION OF TRUE NON LINEARITY OF SCAN ALONG A SELECTED DIRECTION X
OR Y IN SCANNING MICROSCOPE

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9 (c).

Each person, concern or organization to which I have assigned, granted, conveyed or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below.

- ☐ no such person, concern, or organization
☐ persons, concerns or organizations listed below

*NOTE: Separate verified statements are required from named person, concern or organization having rights to the invention overruling to their status as small entities.
(37 CFR 1.27)

NAME:

ADDRESS:

☐ individual ☐ small business concern ☐ nonprofit organization

NAME:

ADDRESS:

☐ individual ☐ small business concern ☐ nonprofit organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information on belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE	DATE
Arkady NIKITIN	<i>Arkady Nikitin</i>	11.18.00
RESIDENCE	CITIZENSHIP	
440 Saw Mill River Road Ardsley, NY 10502	Russian	

Author	Year	Country	Sample Size	Study Design	Findings
Smith et al.	2001	USA	1,200	Longitudinal	Increased risk of depression in children of parents with mental illness.
Johnson et al.	2003	UK	800	Cross-sectional	Higher rates of anxiety disorders in children of parents with anxiety.
Williams et al.	2005	Canada	1,500	Family Study	Genetic factors play a significant role in the transmission of mood disorders.
Miller et al.	2007	Australia	900	Longitudinal	Environmental factors, such as parenting style, mediate the risk of mental illness.
Chen et al.	2009	China	2,000	Cross-sectional	Stressful life events increase the risk of mental health problems in children.
Anderson et al.	2011	USA	1,100	Family Study	Shared environmental factors contribute to the risk of conduct disorder.
Thapar et al.	2013	UK	1,300	Longitudinal	Genetic factors are more influential than environmental factors in the risk of ADHD.
Wahlberg et al.	2015	Finland	1,400	Family Study	High rates of comorbidity between schizophrenia and affective disorders.
Costello et al.	2017	USA	1,600	Longitudinal	Early onset of mental illness is associated with poorer long-term outcomes.
van Os et al.	2019	Netherlands	1,700	Family Study	Genetic factors are strongly associated with the risk of psychosis.
McEwen et al.	2021	USA	1,800	Longitudinal	Chronic stress in childhood leads to increased risk of mental health problems.
Plomin et al.	2023	USA	1,900	Family Study	Genetic factors account for a significant portion of the risk of major depression.